

To: Matlock, Dennis[Matlock.Dennis@epa.gov]
From: Ferrell, Mark
Sent: Fri 1/10/2014 5:59:43 PM
Subject: Fw: poison control tox info being shared re Freedom Industries

From: Werner, Lora
Sent: Friday, January 10, 2014 9:17:46 AM
To: Ferrell, Mark
Subject: poison control tox info being shared re Freedom Industries

Hi Mark

It was good to get your "on the ground" feedback last night - thank you for sharing your email!!

Below is what the WV Poison Control Center is sharing about the incident, as well as my senior tox's prelim review. There isn't a lot of tox data on this one. Karl thinks the screening level being employed (1 ppm) is very conservative and should be well below health effects.

Call if you want to discuss! Lora

From: Markiewicz, Karl
Sent: Thursday, January 09, 2014 8:45 PM
To: Werner, Lora
Subject: Re: SPOT Report--Charleston West Virginia

Hello Lora,

I think the "do not use" order and subsequent state of emergency is related to lack of toxicity information rather than known hazard.

From Chemspider: It has a low vapor pressure (0.133 mmHg at 25C) and high boiling point (192C at 760mmHg) so its not moving into the air. The density is 0.884 g/cm3 so its a floater.

I think its an eye and skin irritant based on structure. Can't find any tox specific studies.

Karl

January 9, 2014

CONTAMINATED WATER INCIDENT (as of 19:30)

INVOLVED CHEMICAL:

Reported to be 4-methylcyclohexane methanol

CAS: 34885-03-5

Multiple other synonyms

DOSE:

Unknown at this time how much went into the water system. Dilution will limit the exposure but without specific information regarding the leak/spill, the actual dose is unknown.

There may also be a lag between when the chemical entered the water and when that water appears in homes and businesses.

TOXICITY:

No information is available for this chemical. Based on the chemical's structure, it is assumed that it may have the properties of higher alcohols and/or phenol-like solvents.

The WV Poison Center will update this information if more becomes available.

SYMPTOMS:

Assuming the above, symptoms would be expected to occur shortly after exposure. Therefore, if there are no symptoms, and water has been used for bathing, teeth brushing, or drinking during the day today, it is likely that no acute symptoms will develop.

Skin irritation is possible

Vomiting is possible

CNS depression if a large exposure

Whether or not the above occurs would depend on dose and individual sensitivity.

It is important to note that unusual smells, odors, and taste can cause nausea and headaches. These symptoms are not due to toxic effects but are a response to unusual smells/tastes.

CURRENT TRIAGE RECOMMENDATIONS (19:30 01-09-14):

If no symptoms are present, do nothing and follow recommendations not to use the water for drinking or bathing.

If mild symptoms are present (mild skin irritation, mild vomiting), the Poison Center is attempting to manage these cases at home.

If callers are reporting significant symptoms, the Poison Center is referring these individuals in.

If callers are reporting symptoms that are likely related to a medical event, the Poison Center is referring these individuals in.

HOSPITAL MANAGEMENT RECOMMENDATIONS:

Please let the Poison Center know about these cases.

Treatment is symptomatic and supportive. There is no specific/antidotal treatment.

Ensure that a co-existing or coincidental medical event is not occurring.

Lora Siegmann Werner, MPH

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